

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

ATTY. DOCKET NO.  
**50323-017**

SERIAL NO.  
**09/827,311**

APPLICANT  
**Uri TASCH, et al.**

FILING DATE  
**April 06, 2001**

GROUP  
**3736**

(PTO-1449)

## U.S. PATENT DOCUMENTS

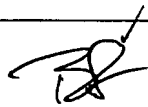
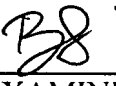
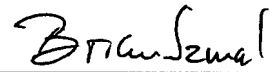
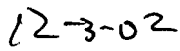
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>JS</i>	5,736,656	04/07/1998	FULLEN et al.			
<i>JS</i>	5,987,982	11/23/1999	WENMAN et al.			

## FOREIGN PATENT DOCUMENTS




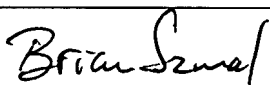
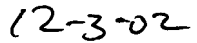
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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	NOV 15 2001
	TECHNOLOGY CENTER R3700
EXAMINER <i>Brian Samuel</i>	DATE CONSIDERED <i>12-3-02</i>

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>				ATTY. DOCKET NO. <b>50323-017</b>		SERIAL NO. <b>09/827,311</b>	
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<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
						<b>RECEIVED</b> <b>AUG 15 2001</b> <b>TECHNOLOGY CENTER R3700</b>	
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
	"A Lameness Scoring System That Uses Posture and Gait to Predict Dairy Cattle Reproductive Performance", D.J. Sprecher et al., Theriogenology - An International Journal of Animal Reproduction, April 15, 1997, Vol. 47, No. 6, pp. 1180-1187						
✓	"The Way Cattle Walk" Steps Towards Lameness Management", H.R. Whay et al., Cattle Practice, Vol. 7, Part 4, BCVA 1999						
✓	"Lameness in Cattle", Paul R. Greenough et al., Wright - Scientifica 1981, pp. 1-9						
✓	"Modifications of a force plate system for equine gait analysis", Janet E. Steiss et al., American Journal of Veterinary Research, Vol. 43, March 1982, pp. 538-540						
✓	"Accuracy of Determining the Point of Force Application With Piezoelectric Force Plates", Maarten F. Bobbert et al., Journal of Biomechanics, Vol. 23, No. 7, 1999, pp. 705-710						
✓	"Relationships between ground reaction force patterns and kinematics in the walking and trotting horse", H.W. Merckens et al., Animal Locomotion, Equine Veterinary Journal, 1994, pp. 67-70						
✓	"Kinetics and kinematics of the equine hind limb: In vivo tendon loads and force plate measurements in ponies", Dirk J. Riemersma et al., American Journal of Veterinary Research, Vol. 49, No. 8, August 1988, pp. 1344-1352						
✓	"Limb Locomotion - speed distribution analysis as a new method for stance phase detection", C. Peham et al., Journal of Biomechanics 32, 1999, pp. 1119-1124						
	"A Method of Signal Processing in Motion Analysis of the Trotting Horse", C. Peham et al., Journal of Biomechanics, Vol. 29, No. 8, 1996, pp. 1111-1114						
EXAMINER 				DATE CONSIDERED  			



EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (PTO-1449)				ATTY. DOCKET NO. <b>50323-017</b>		SERIAL NO. <b>09/827,311</b>	
				APPLICANT <b>Uri TASCH, et al.</b>		<b>RECEIVED</b> <b>AUG 13 2001</b> <b>TECHNOLOGY CENTER R3100</b>	
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<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
	✓	"Objective determination of ground contact of equine limbs at the walk and trot: comparison between ground reaction forces, accelerometer data and kinematics", H.C. Schamhardt et al., Equine Veterinary Journal, 1994, pp. 75-79					
	✓	"Contributions to variance in force-plate analysis of gait in dogs", D.J. Jevens et al., American Journal of Veterinary Research, Vol. 54, No. 4, April 1993, pp. 612-615					
	✓	"A review of research on equine locomotion and biomechanics", D.H. Leach et al., Equine Veterinary Journal, Vol. 15, No. 2, 1983, pp.93-102					
	✓	McPhail Chair Abstracts, three articles by H.M. Clayton et al.					
	✓	"Force plate analysis of the walking gait in healthy dogs", Steven C. Budsberg et al., American Journal of Veterinary Research, Vol. 48, No. 6, June 1987, pp. 915-918					
	✓	"Investigating locomotion of dairy cows by use of high speed cinematography", A.H. Herlin et al., Equine Veterinary Journal Suppl. 23, 1997, pp. 106-109					
	✓	"Effects of subject stance time and velocity on ground reaction forces in clinically normal Greyhounds at the trot", Ronald M. McLaughlin, Jr. et al., American Journal of Veterinary Research, Vol. 55, No. 12, December 1994, pp. 1666-1671					
	✓	"Genetic Analysis of Clinical Lameness in Dairy Cattle", P.J. Boettcher et al., Journal of Dairy Science, Vol. 81, No. 4, 1998, pp. 1148-1156					
	✓	"Automatic Weighing of Dairy Cows", U.M. Peiper et al., Journal of Agricultural Engineering Research, 1993, pp. 13-24					
	✓	"Lameness and Hoof Health", Steven L. Berry, Animal Health, www.dairybuz.com/archieve/a_health_35.htm., August 1999, pp. 1-7					
	✓	"The Science of Evaluating Lameness and Pain Relief", Brian S. Beal et al., Pfizer Animal Health, 1999					
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(PTO-1449) <div style="position: relative; width: 150px; height: 100px; margin: 0 auto;"> <div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 100px;"> O I P E JG181 AUG 13 2001 PATENT &amp; TRADEMARK OFFICE </div> </div>				APPLICANT <b>Uri TASCH, et al.</b>			
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EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	RECEIVED AUG 15 2001 TECHNOLOGY CENTER 193700	
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
	✓	"Vertical ground reaction force distribution during experimentally induced acute synovitis in dogs", Paul F. Rumph et al., American Journal of Veterinary Research, Vol. 54, No. 3, March 1993, pp. 365-369					
✓	"Prevalence and severity of lameness in lactating dairy cows in a sample of Minnesota and Wisconsin herds", S.J. Wells et al., Journal of the American Veterinary Medical Association, Vol. 202, No. 1, January 1993, pp. 78-82						
✓	"How to use footbaths to prevent lameness", How-to-series, Dairy Herd Management, May 1986, PP. 16-17						
✓	"Effects of lameness on the behaviour of cows during the summer", S.A. Hassall et al., The Veterinary Record, June 5, 1993, pp. 578-580						
✓	"The association between lameness and fertility in dairy cows", S. Lucey et al., The Veterinary Record, June 7, 1986, pp. 628-631						
✓	"Why neglect the lame cow?" and "Associations between types of lameness and fertility", D.W. Collick et al., Veterinary Record, Vol. 125, No. 5, July 29, 1989, pp. 102-106						
✓	"Lameness in dairy cows and farmers' knowledge, training and awareness", J.M. Mill et al., The Veterinary Record, February 12, 1994, pp. 162-164						
✓	"Laminitis in Cattle", David A. Morrow, Veterinary Medicine/Small Animal Clinician, February 1966, pp. 138-146						
	✓	"Lameness in Dairy Cattle", Gerald Stokka et al., Kansas State University Research and Extension, MF-2070, January 1997					
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✓	"Quantification of Equine Ground Reaction Force Patterns", H.C. Schamhardt et al., Journal of Biomechanics, Vol. 20, No. 4, 1987, pp. 443-446						
✓	"The Influence of Dietary protein Intake and of Hoof Trimming on Lameness in Dairy Cattle", F.J. Manson et al., British Society of Animal Production, 1988, pp. 191-199						
✓	"An Epidemiological Study of Dairy Cattle Lameness", M.J. Clarkson et al., Society for Veterinary Epidemiology and Preventive Medicine, Proceeding of a meeting held March 31-April 2, 1993, pp. 87-95						
✓	"Changes in Limb Loading With lameness for a Number of Friesian Cattle, G.B. Scott, The British Veterinary Journal, 1989, pp. 29-38						
✓	"A Dynamic Force and Moment Analysis System for Brachiation", Y.H. Chang et al., The Journal of Experimental Biology 200, 1997, pp. 3013-3020						
✓	"Multiple Force Platform Analysis of the Canine Trot: a New Approach to Assessing Basic Characteristics of Locomotion", J.E.A. Bertram et al., Vet Comp Orthop Traumatol, 1997, pp. 44-53						
✓	"Disease-specific changes in equine ground reaction force data documented by use of principal component analysis", G.E. Williams et al., American Journal Veterinary Research, Vol. 60, No. 5, May 1999, pp. 549-555						
✓	"Investigating the Effect of Gait on the Ground Reaction Forces of Running", A.C. Rowat						
✓	"Force Plate Studies of Equine Biomechanics", G.W. Pratt et al., American Journal of Veterinary Research, Vol. 37						
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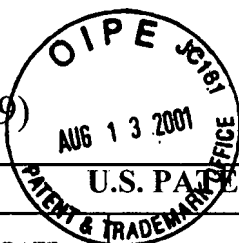
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						Yes	No

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BS	✓	"Understanding Herd Lameness A Worthwhile Investment. Recognizing the Problem and its Cause", Paul R. Greenough, pp. 334-349
	✓	"Behaviour of lame and normal dairy cows in cubicles and in a straw yard", S.S. Singh et al., Veterinary Record, 1993, pp. 204-208
	✓	"Force Plate Analysis: A Noninvasive Tool for Gait Evaluation", Mark A. Anderson et al., Compendium on continuing Education, July 1994, pp. 857-864
	✓	"Footswitch System For Measurement of the Temporal Parameters of Gait", Jeffrey M. Hausdorff et al., Journal of Biomechanics, Vol. 28, No. 3, 1995, pp. 347-351
	✓	"Methods, Applications and Limitations of Gait Analysis in Horses", E. Barrey, The Veterinary Journal Vol. 157, pp. 7-22
	✓	"Decomposition of Superimposed Ground reaction Forces Into Left and Right Force Profiles", Brian L. Davis et al., Journal of Biomechanics, Vol. 26, pp. 593-597
	✓	"Some New Ideas on an Old Problem - A UK Vets View of Lameness", Roger Blowey, Ontario Dairy Symposium 7, pp. 133-143
	✓	"Foot Health From a Veterinarian's Perspective", J.K. Shearer, Paper from University of Florida, College of Veterinary Medicine
	✓	"An Introduction to the Kaegi Equine Gait Analysis System in the Horse", J.A. Auer et al., pp. 209-226
BS	✓	"Locomotion analysis technology for evaluation of lameness in horses", D.H. Leach, Equine Veterinary Journal, 1987, pp. 97-99

EXAMINER

Brian Szual

DATE CONSIDERED

12-3-02